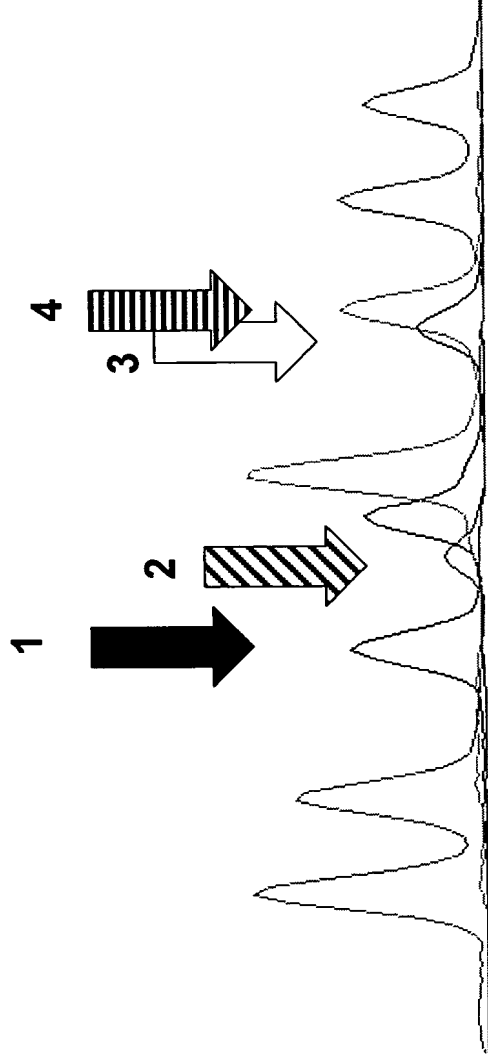


**Figure 1**



**Figure 2**

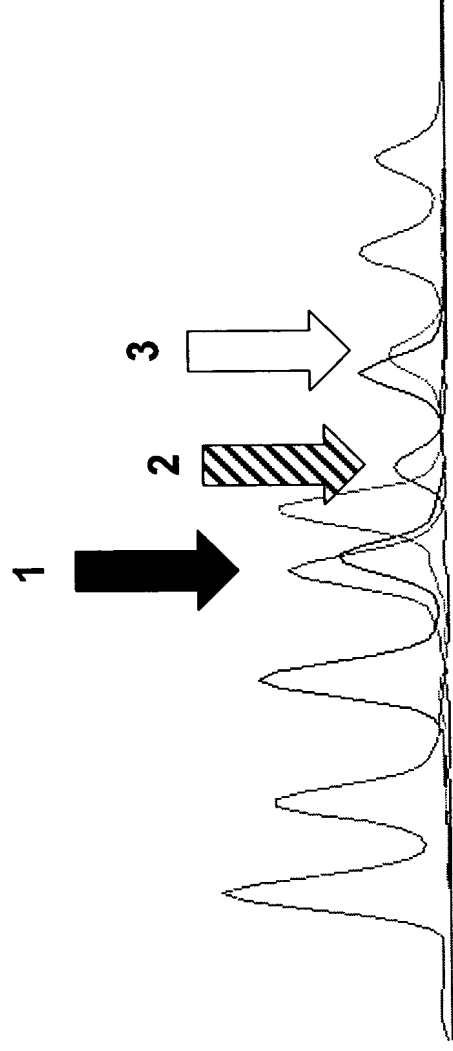
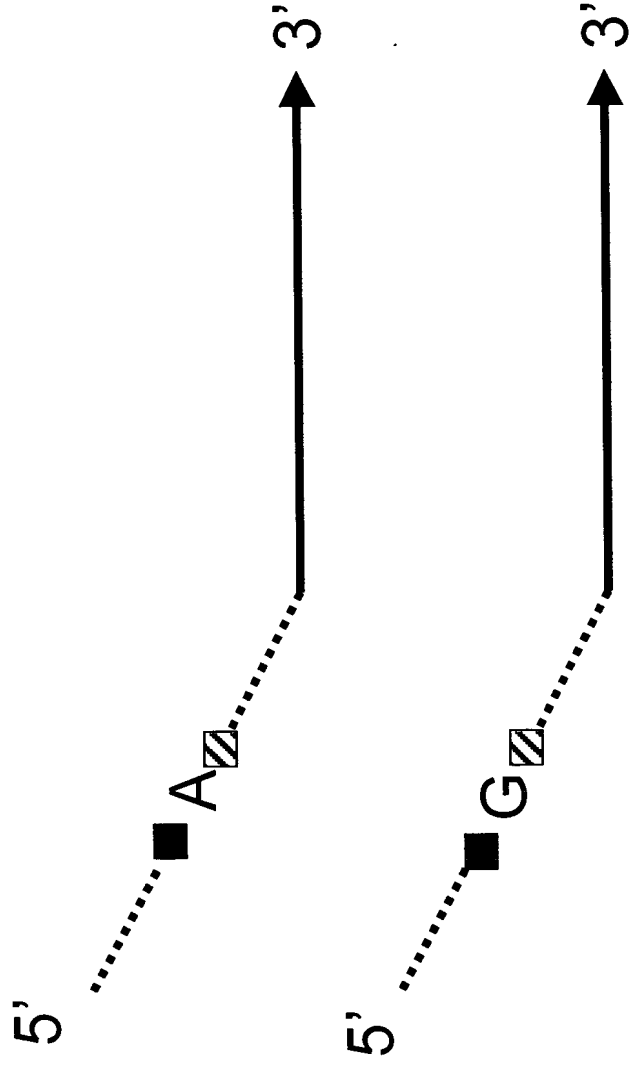


Figure 3



# Figure 4

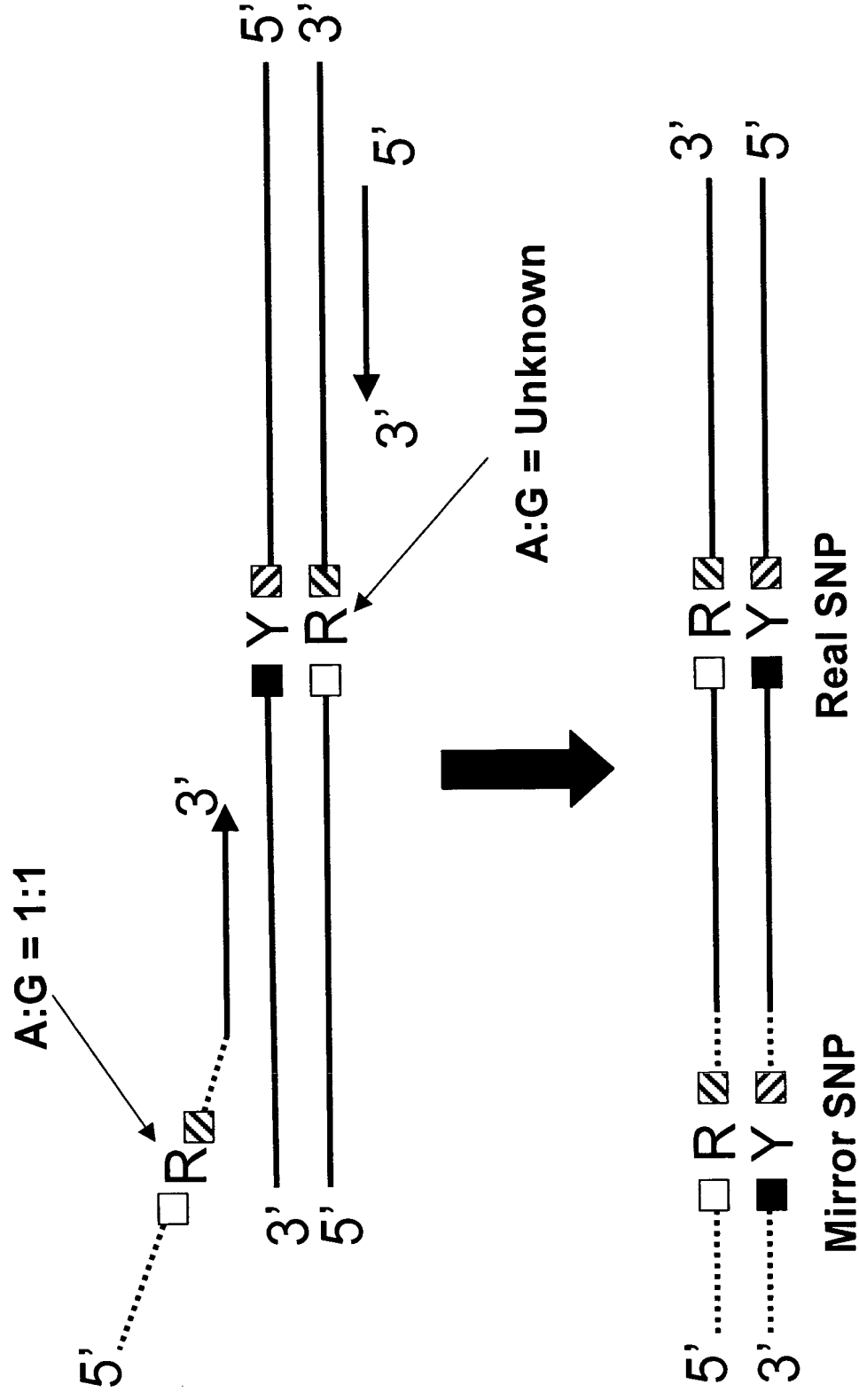
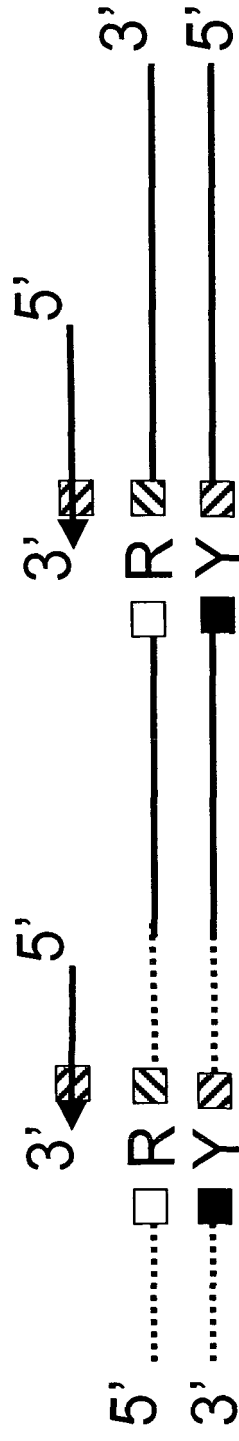
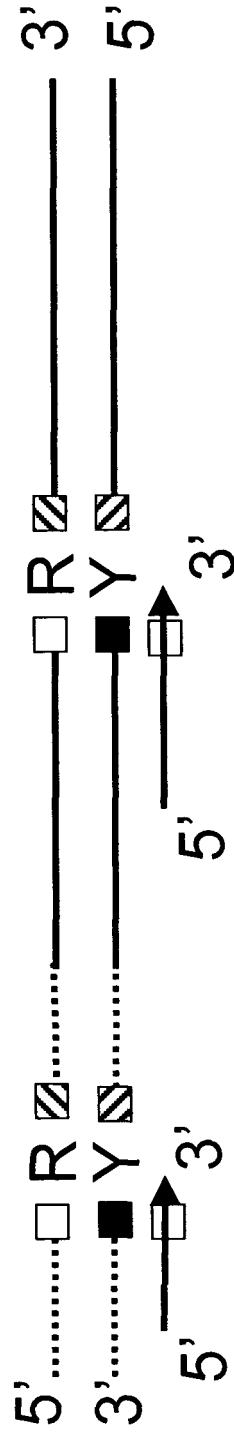


Figure 5

C/T SBE Reaction Primers



A/G SBE Reaction Primers



**Figure 6**

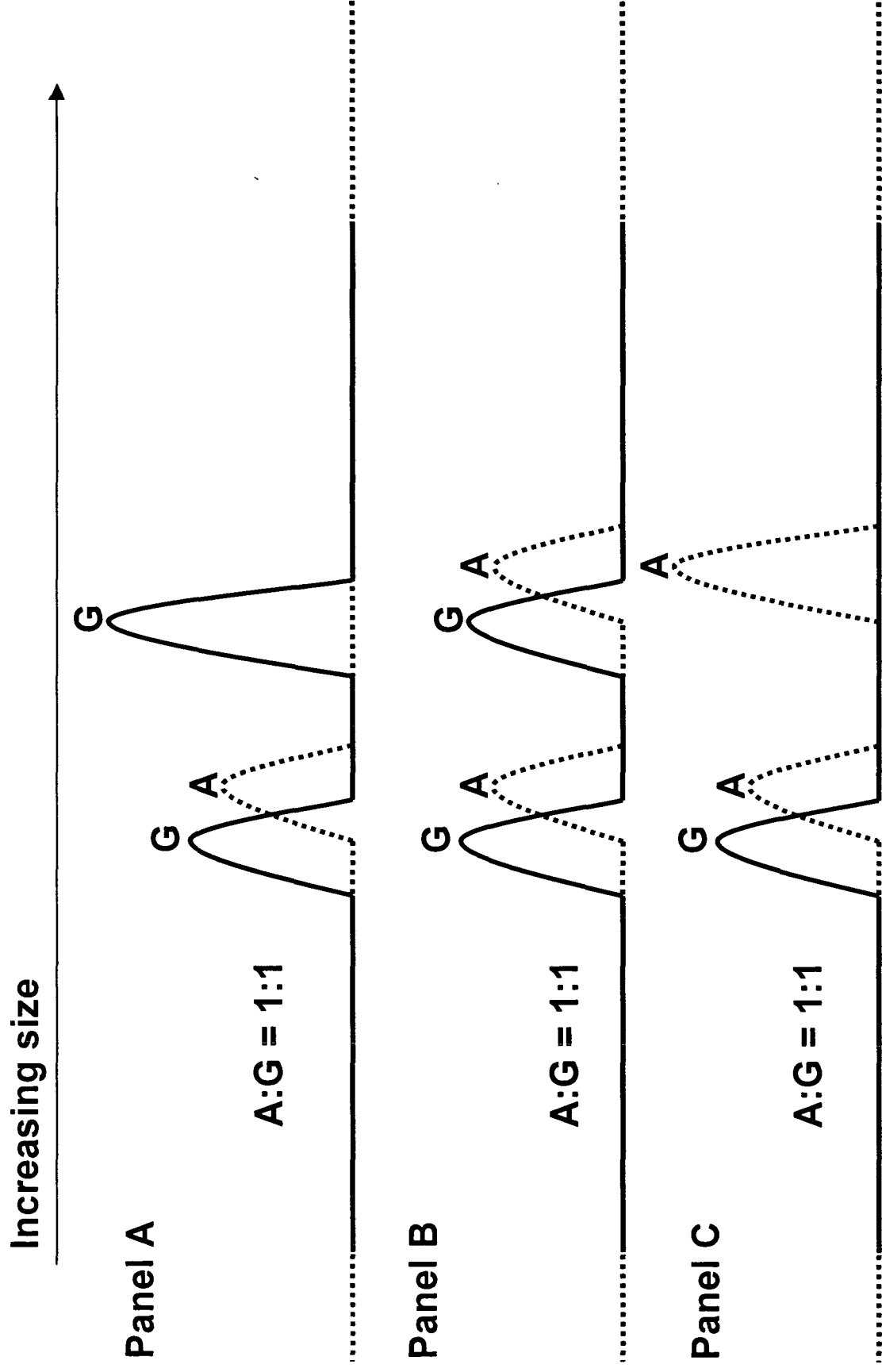
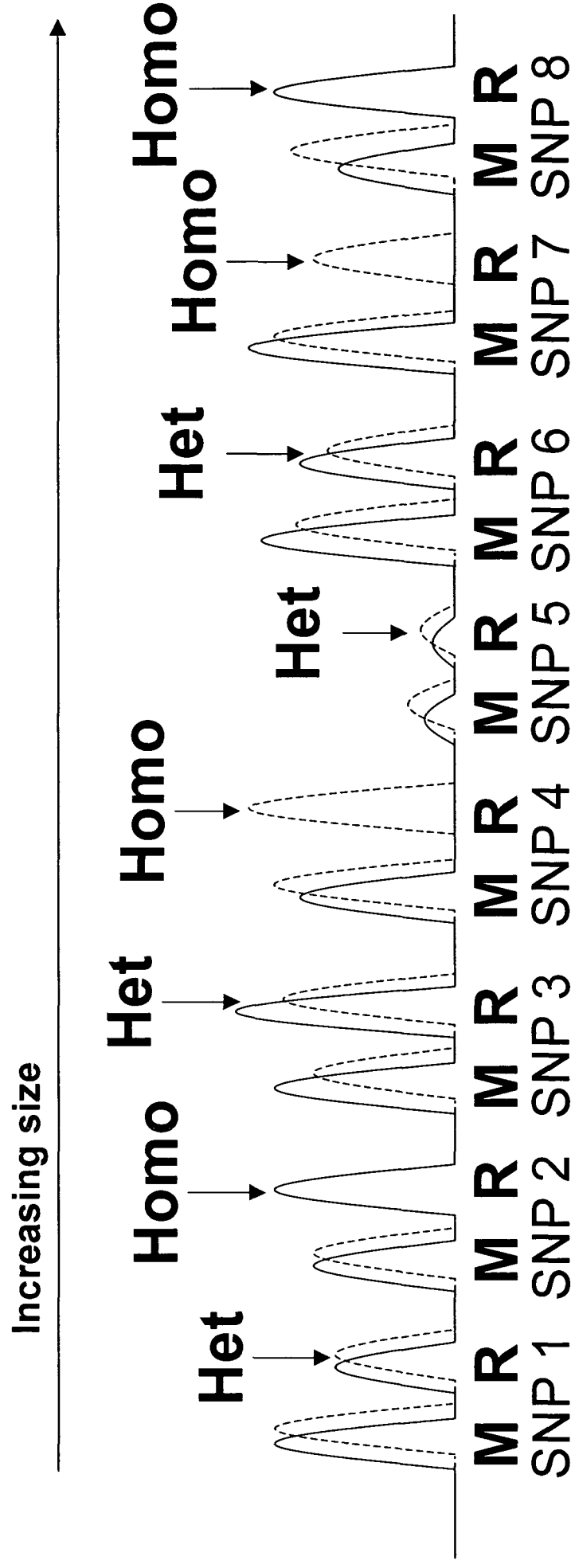


Figure 7



# Figure 8

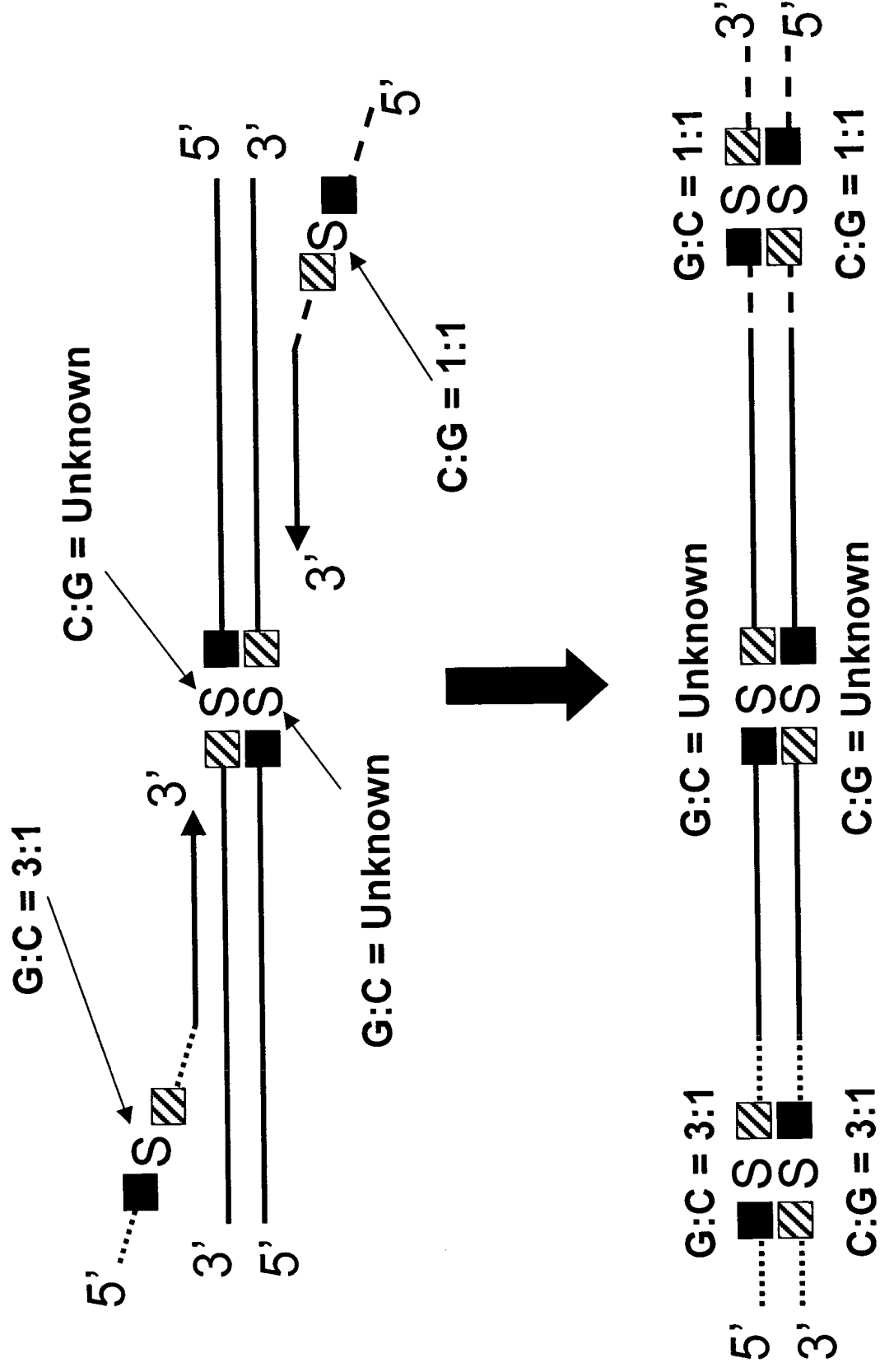




Figure 9

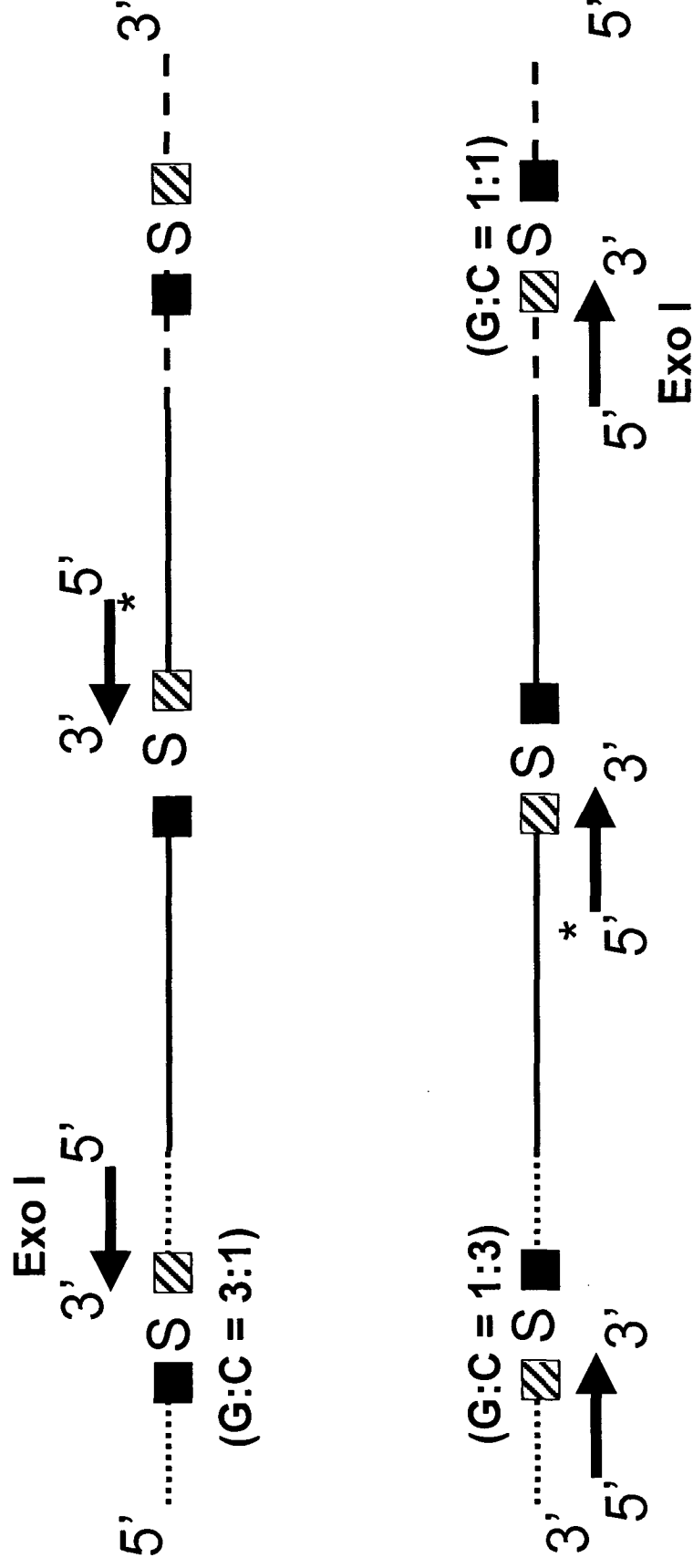


Figure 10

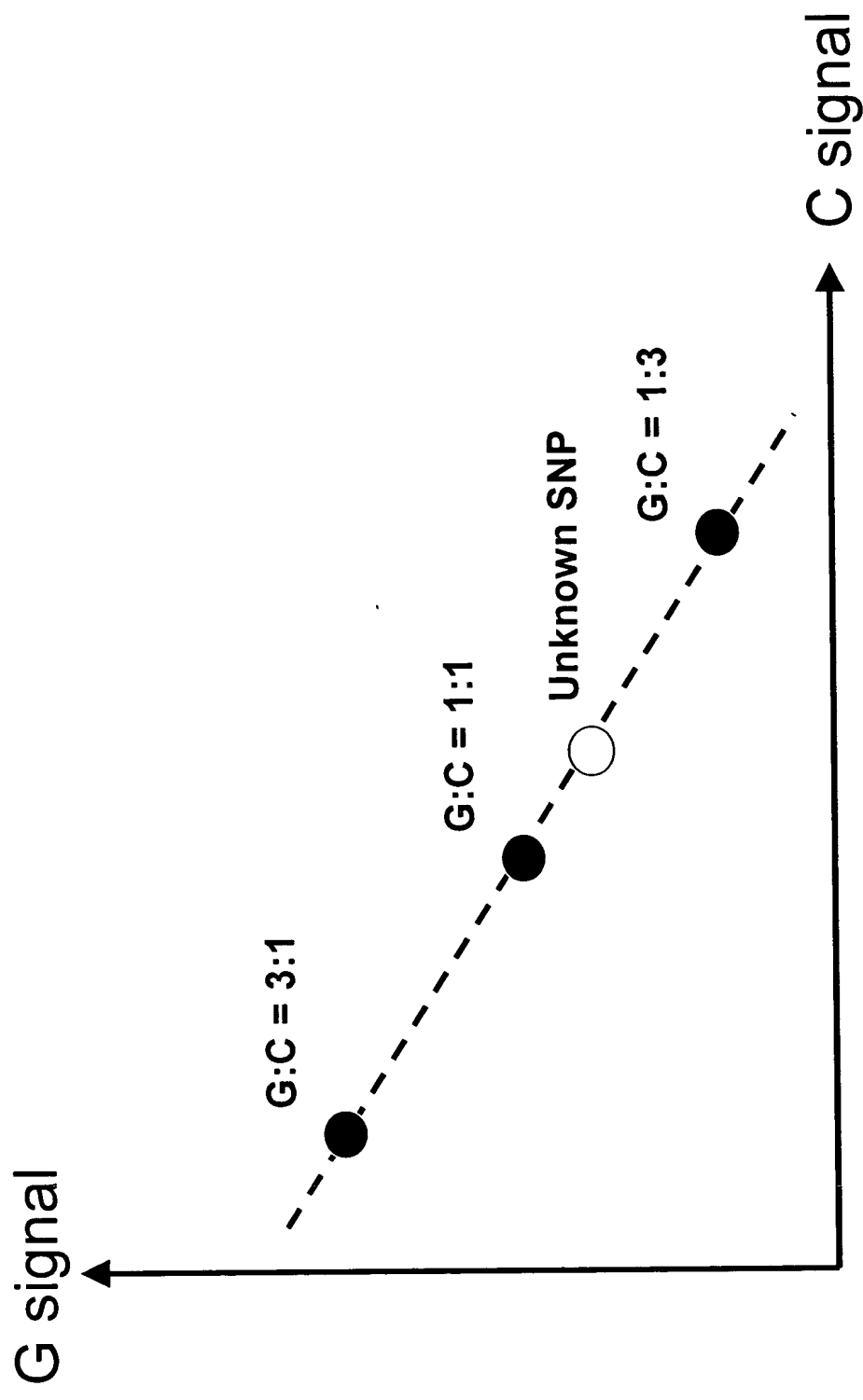


Figure 11

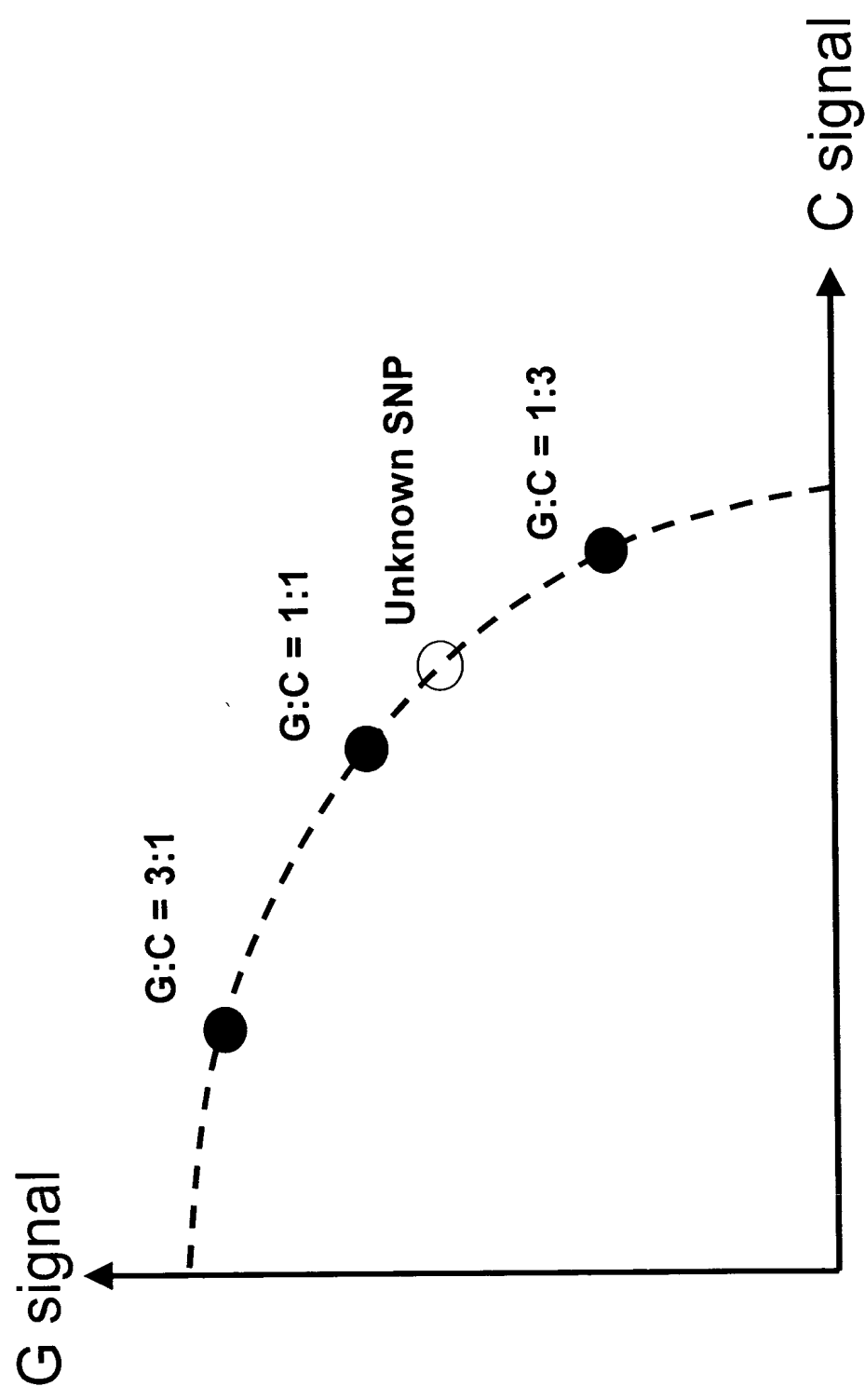


Figure 12

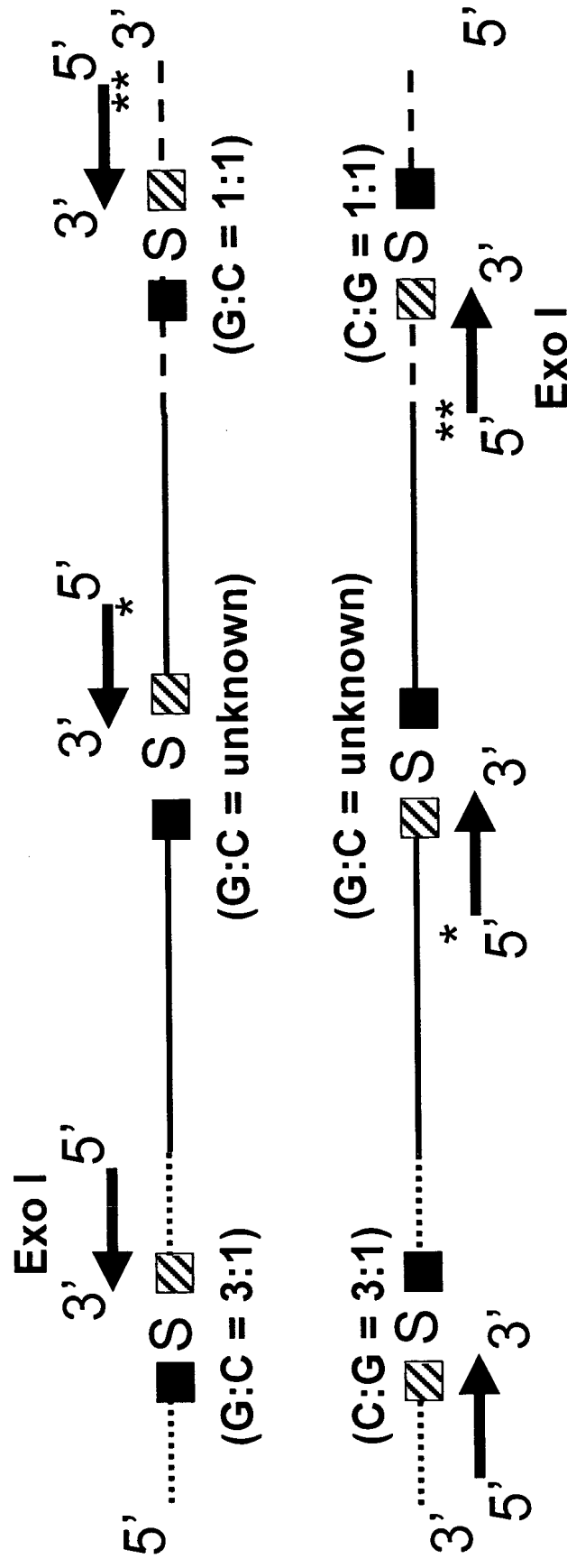


Figure 13

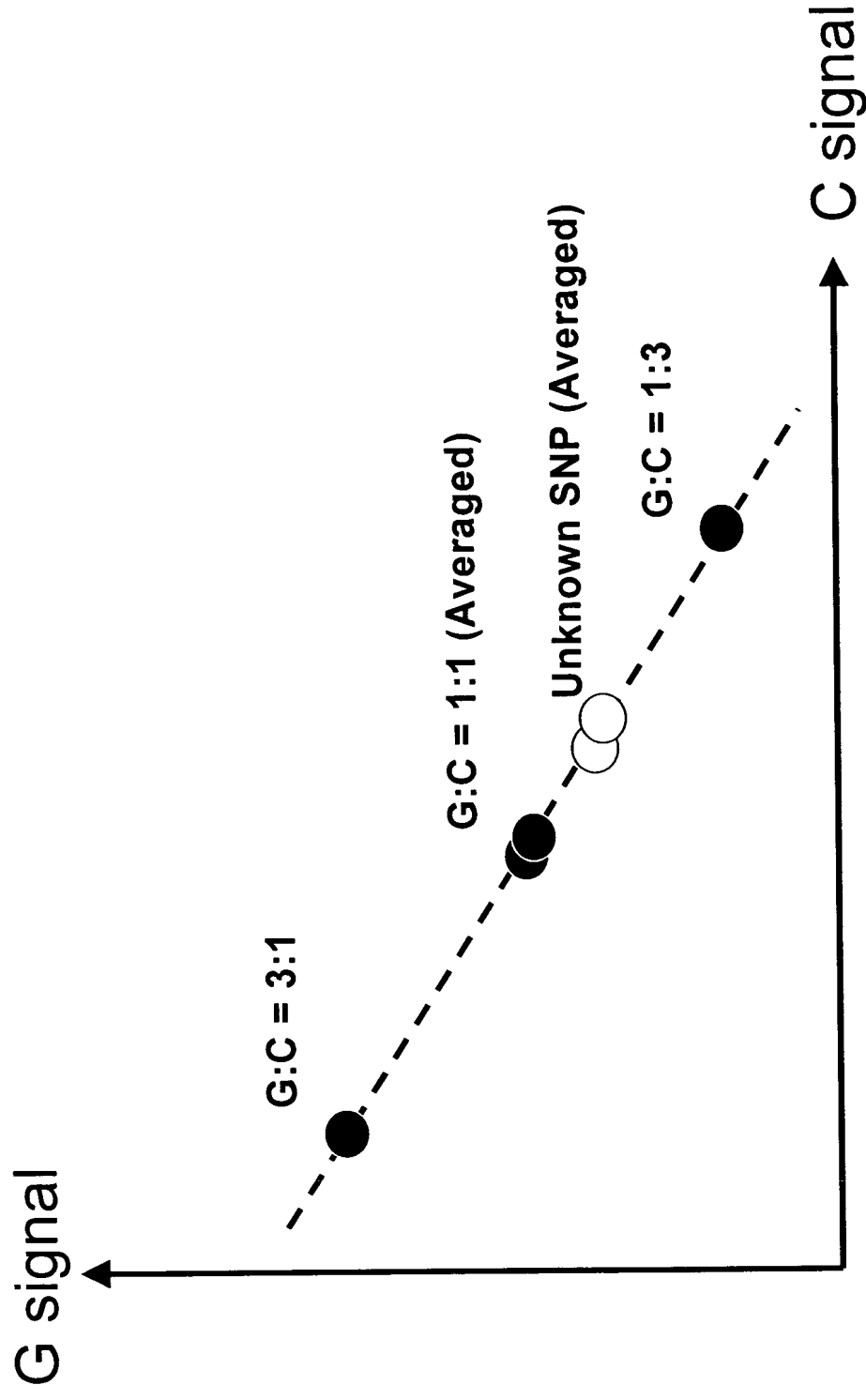
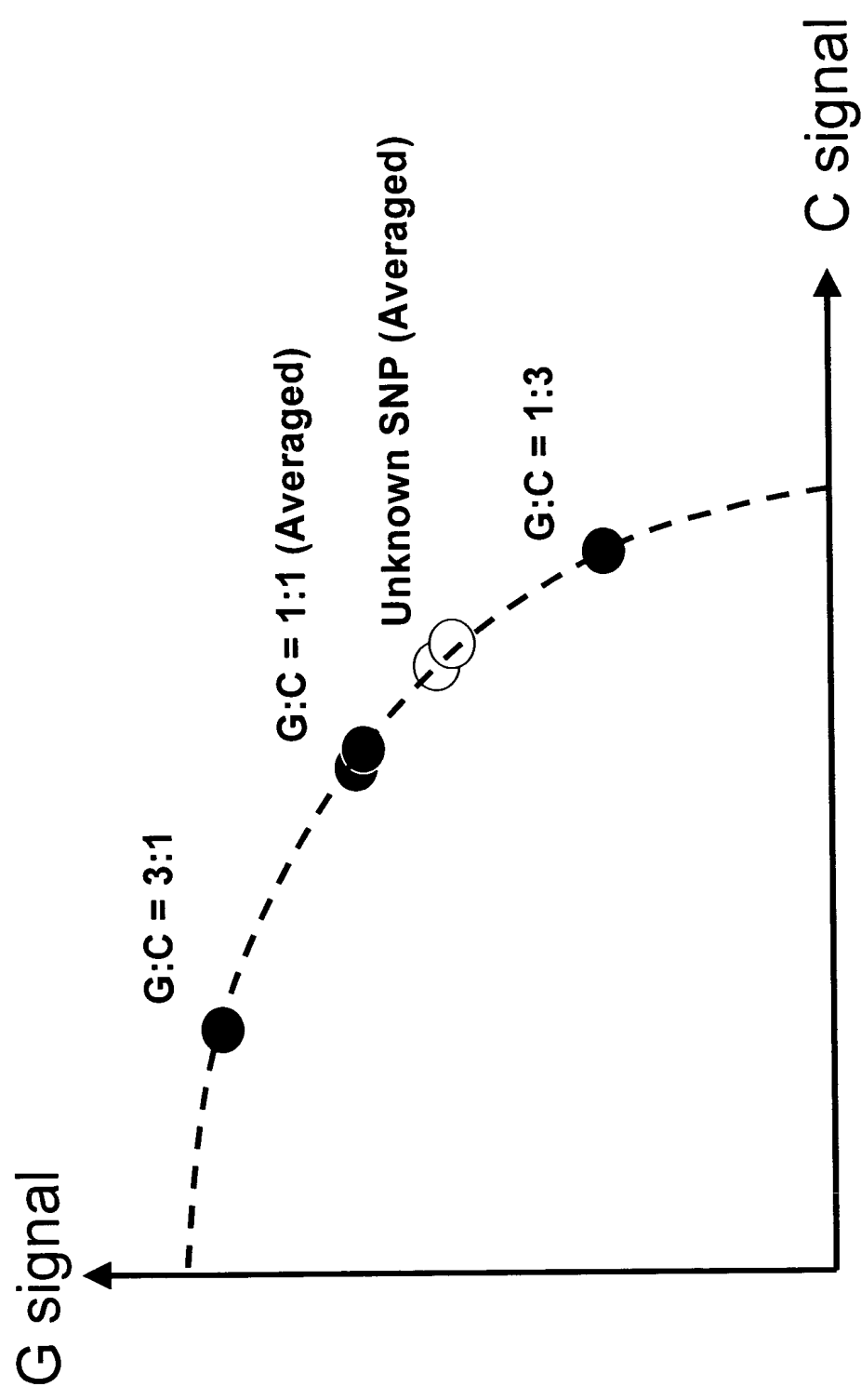


Figure 14



# Figure 15

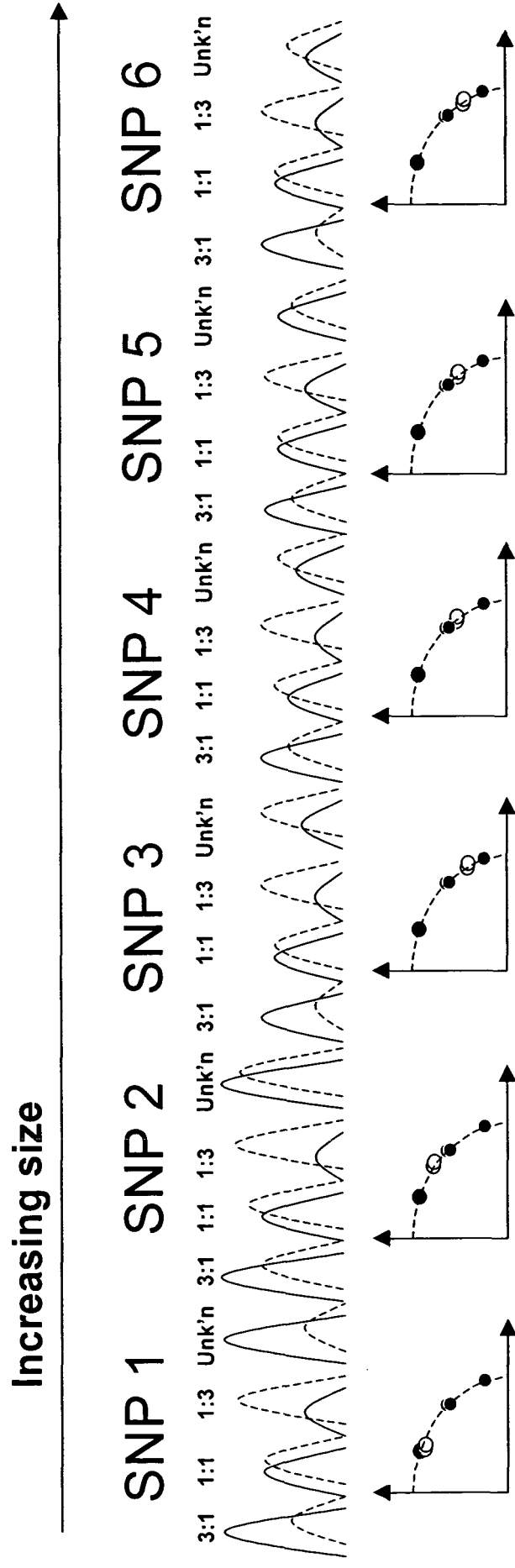
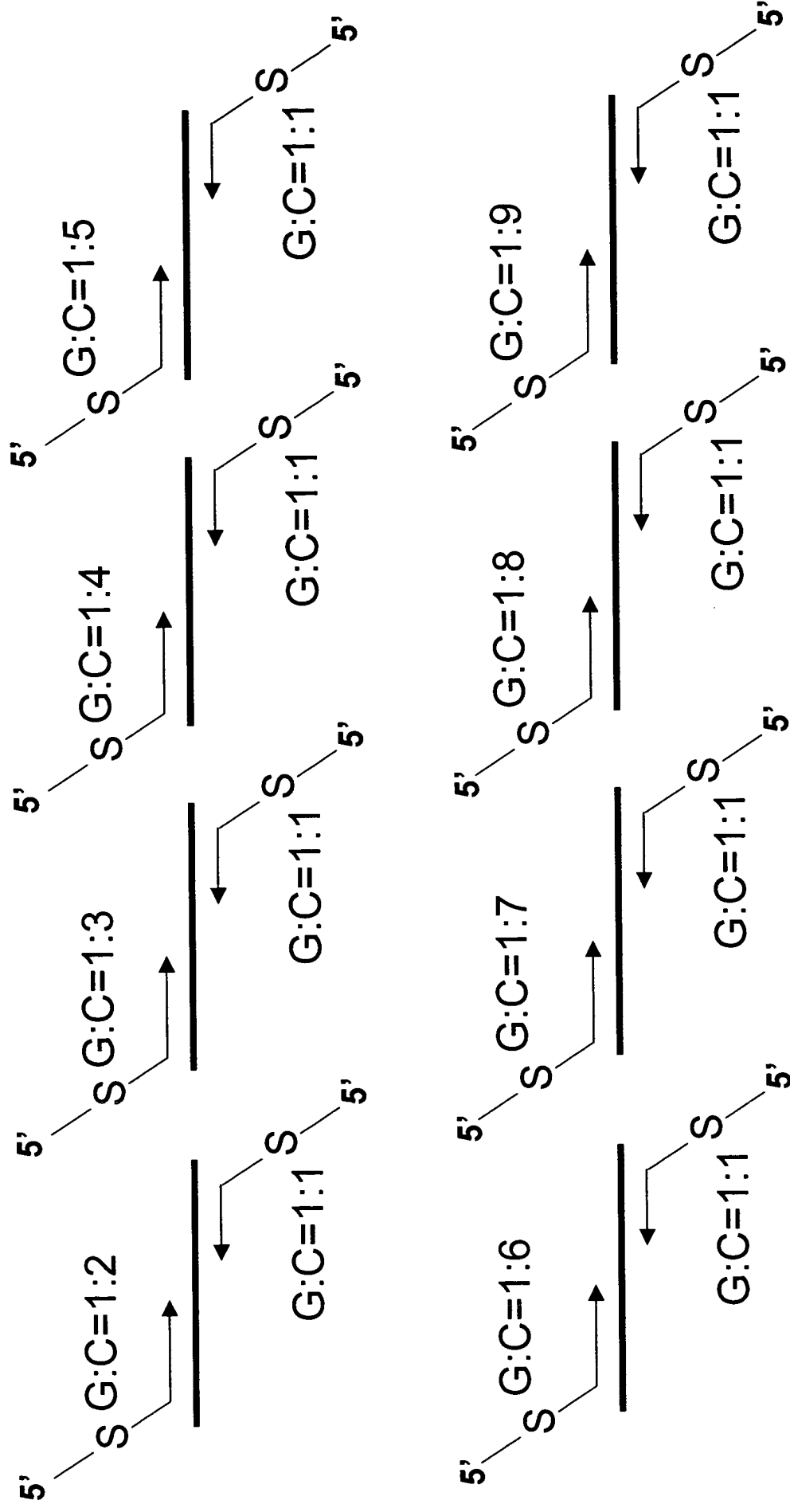


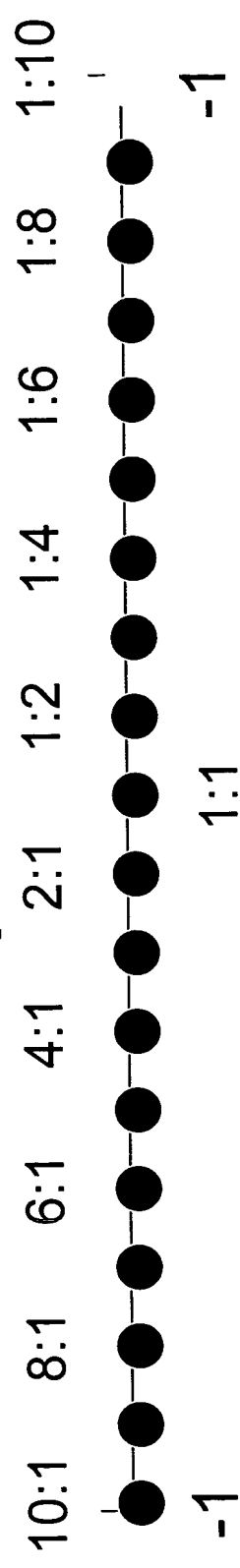
Figure 16





**Figure 17**

### Linear relationship



### Logarithmic relationship

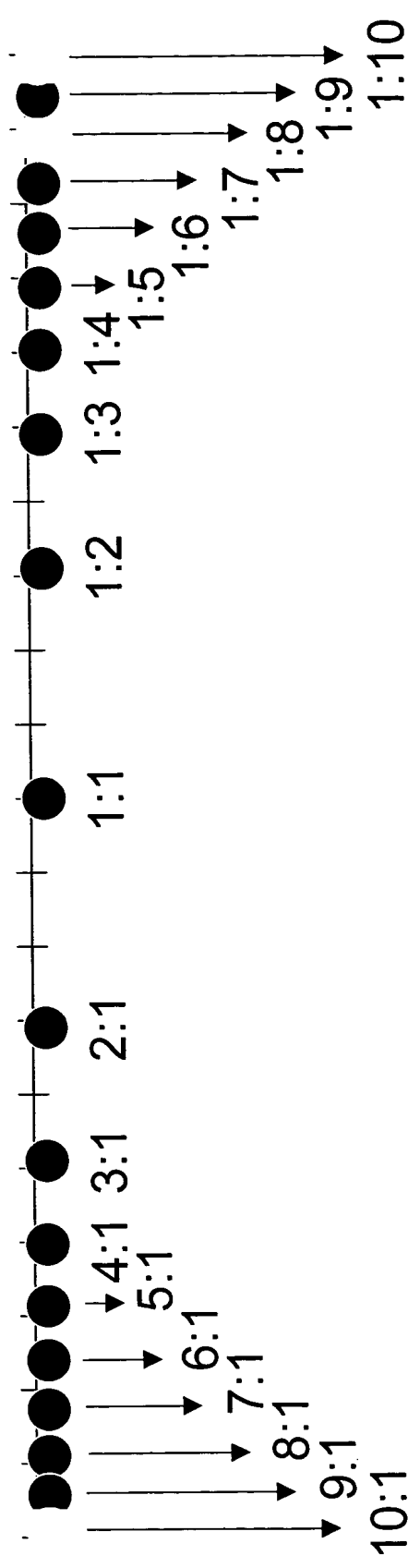
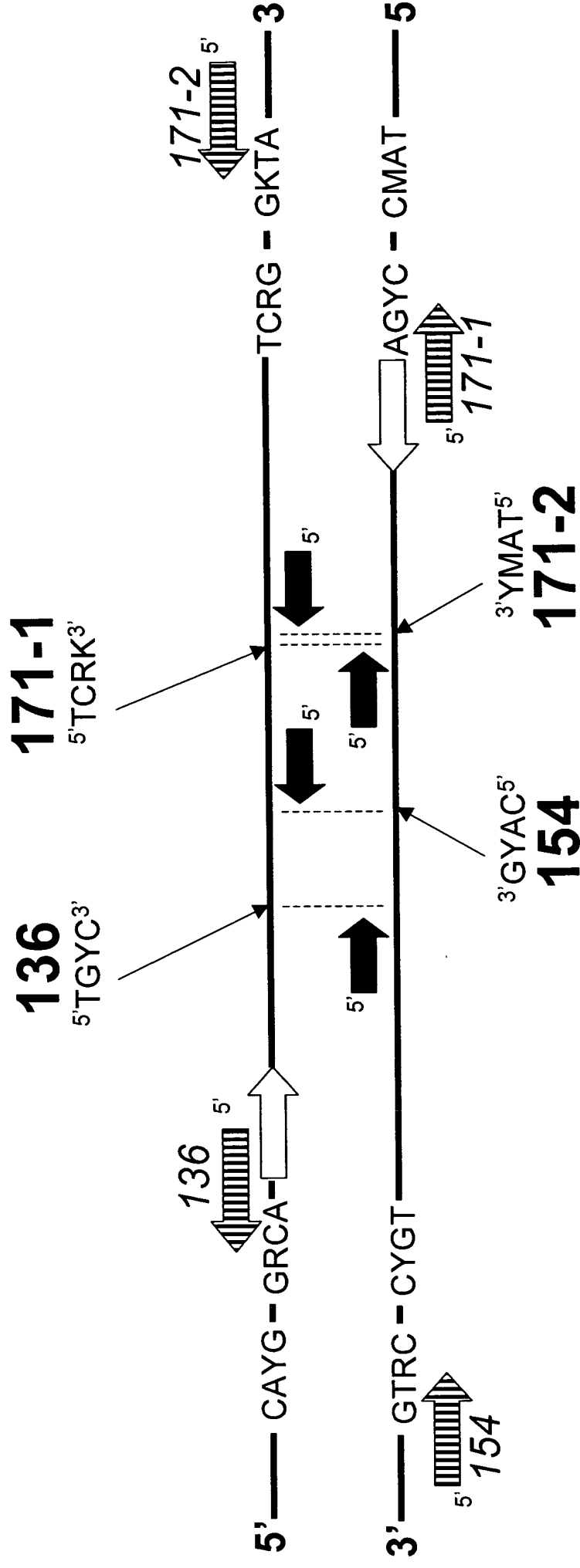


Figure 18



## Figure 19

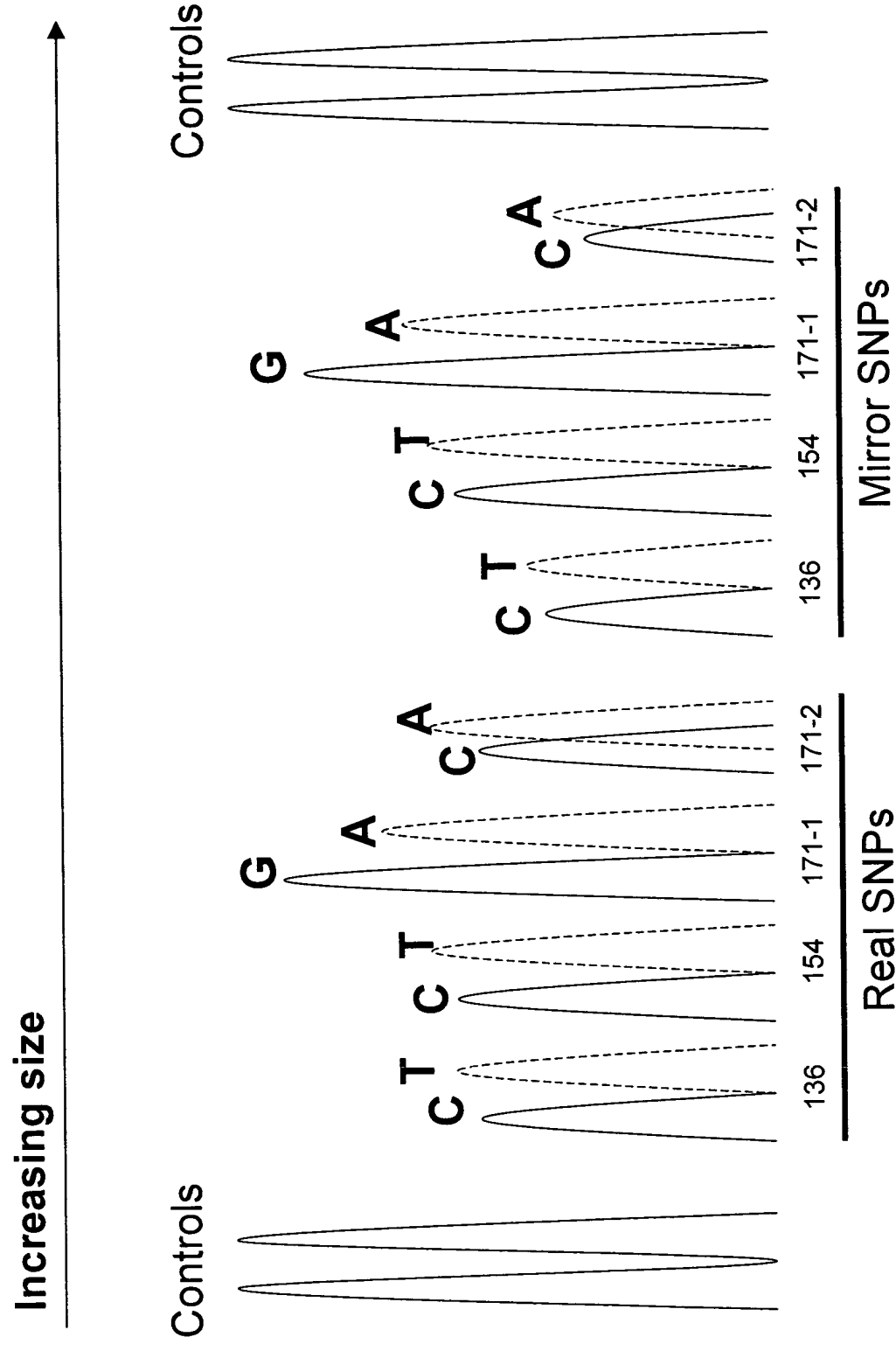


Figure 20

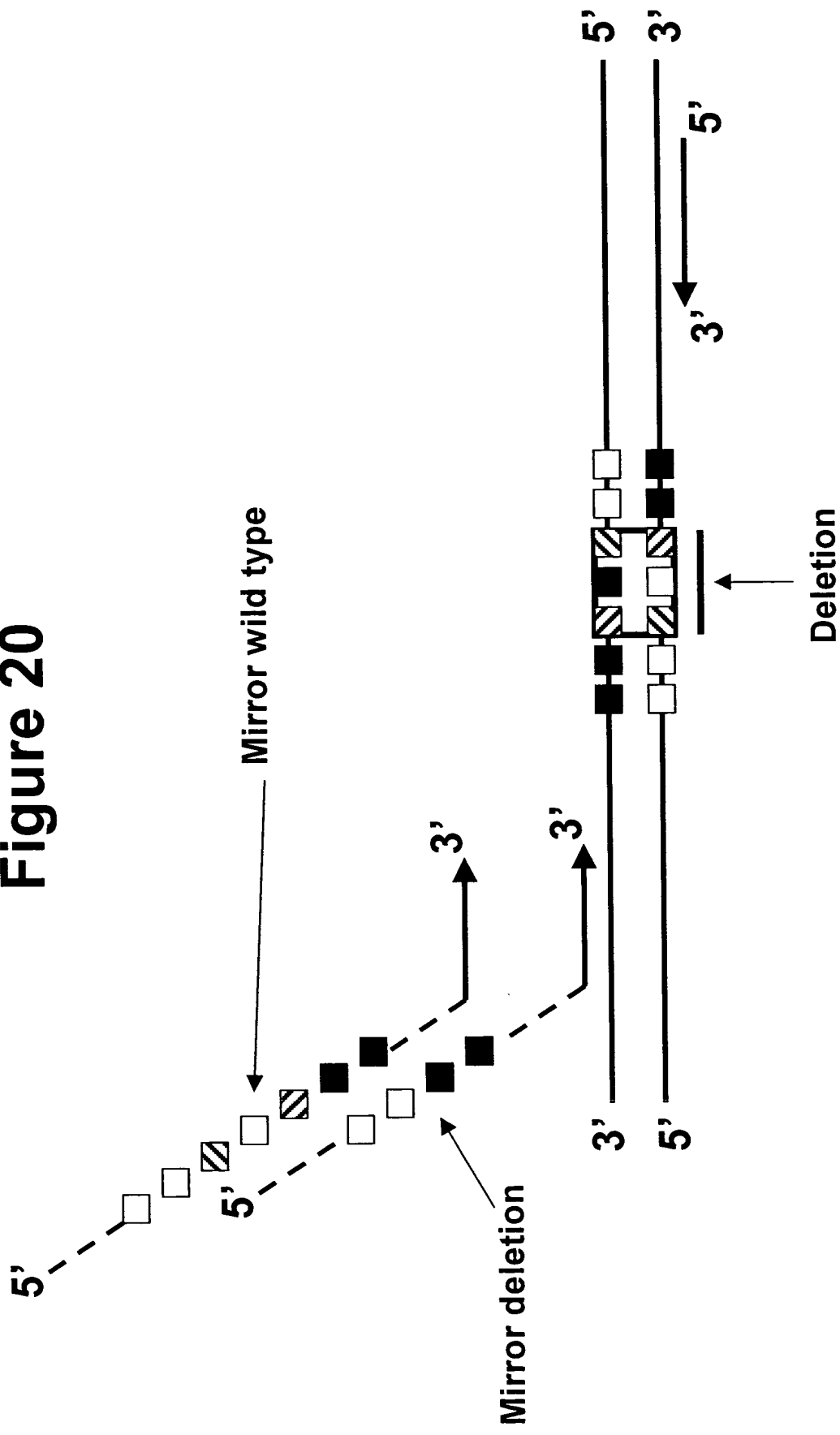


Figure 21

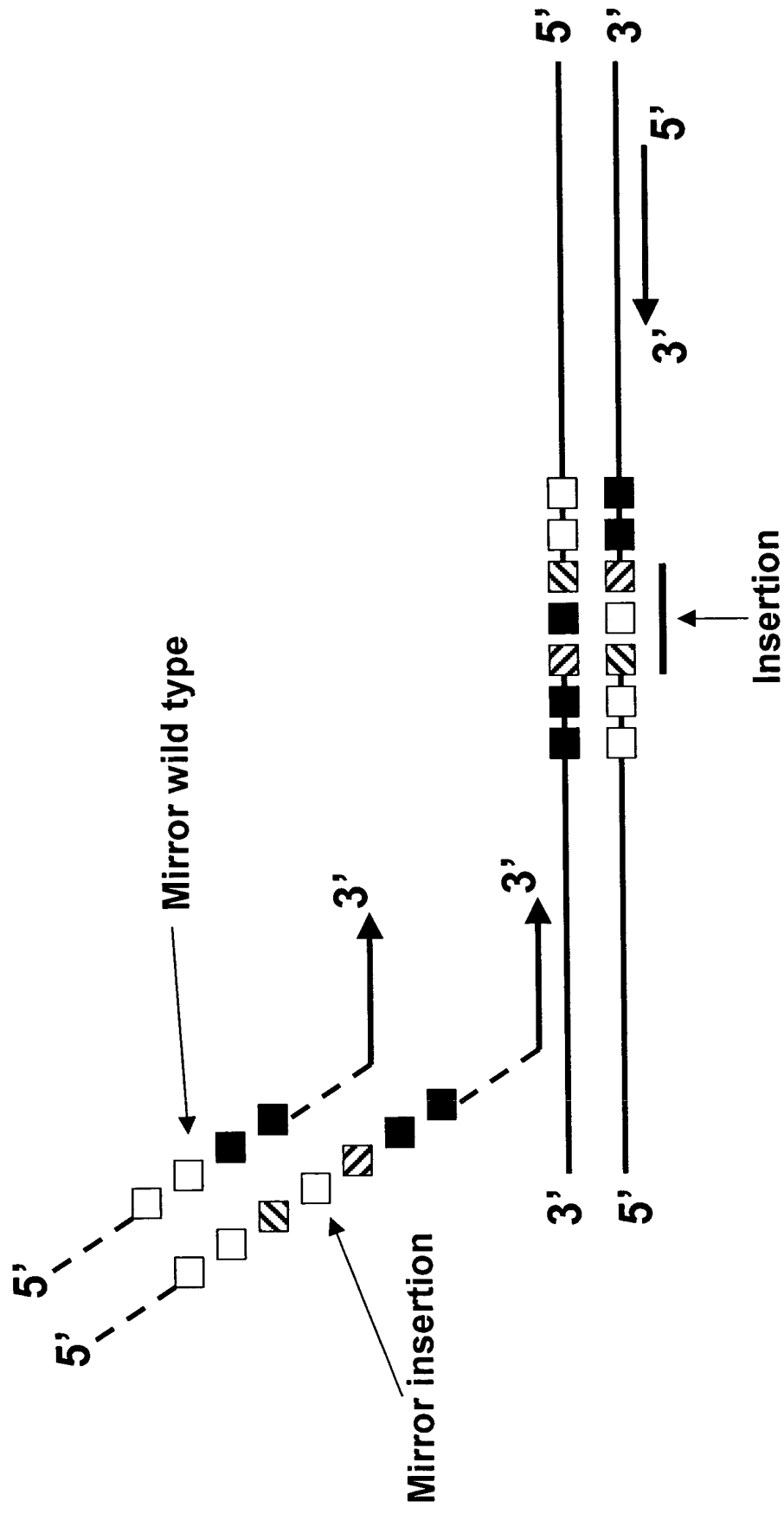


Figure 22

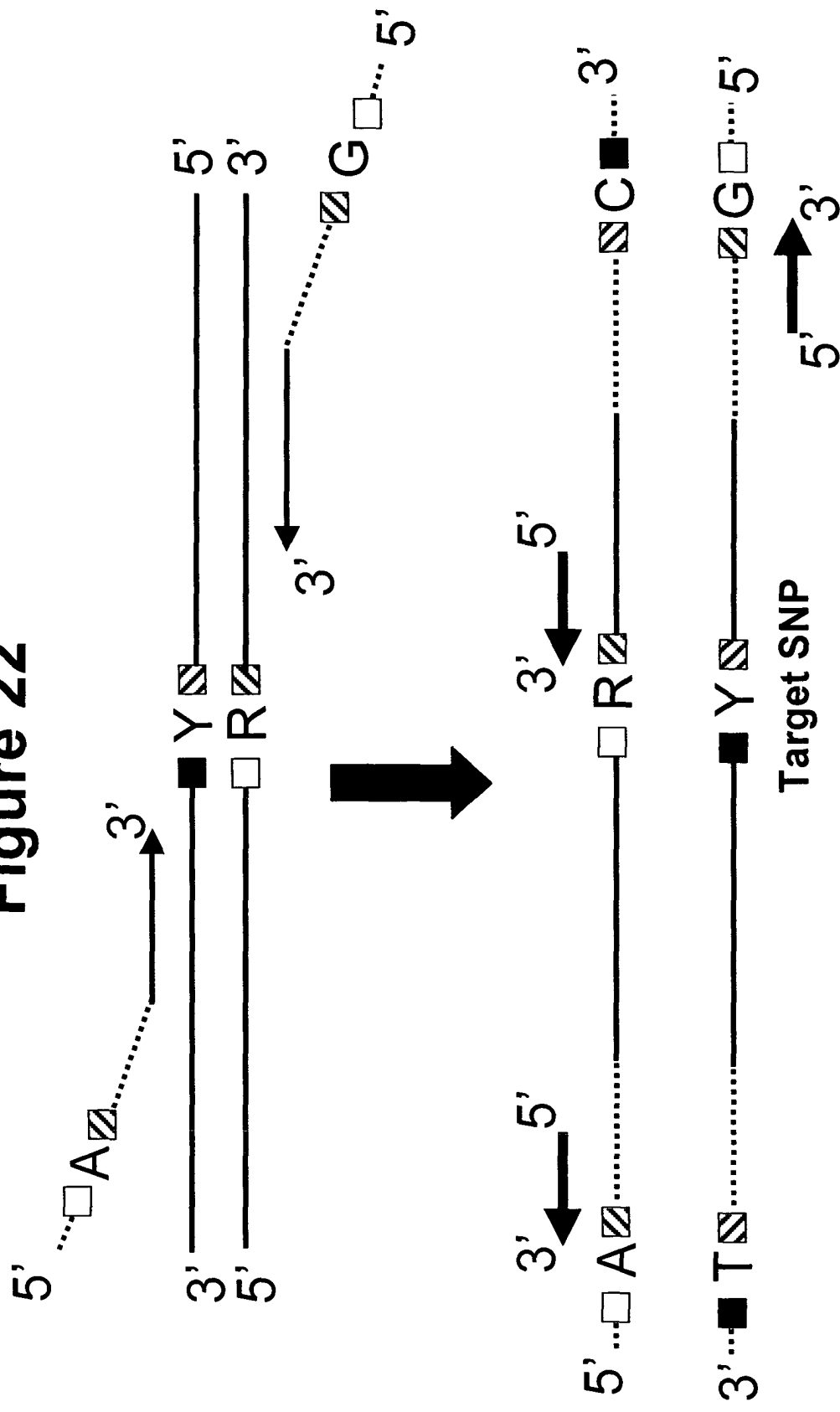
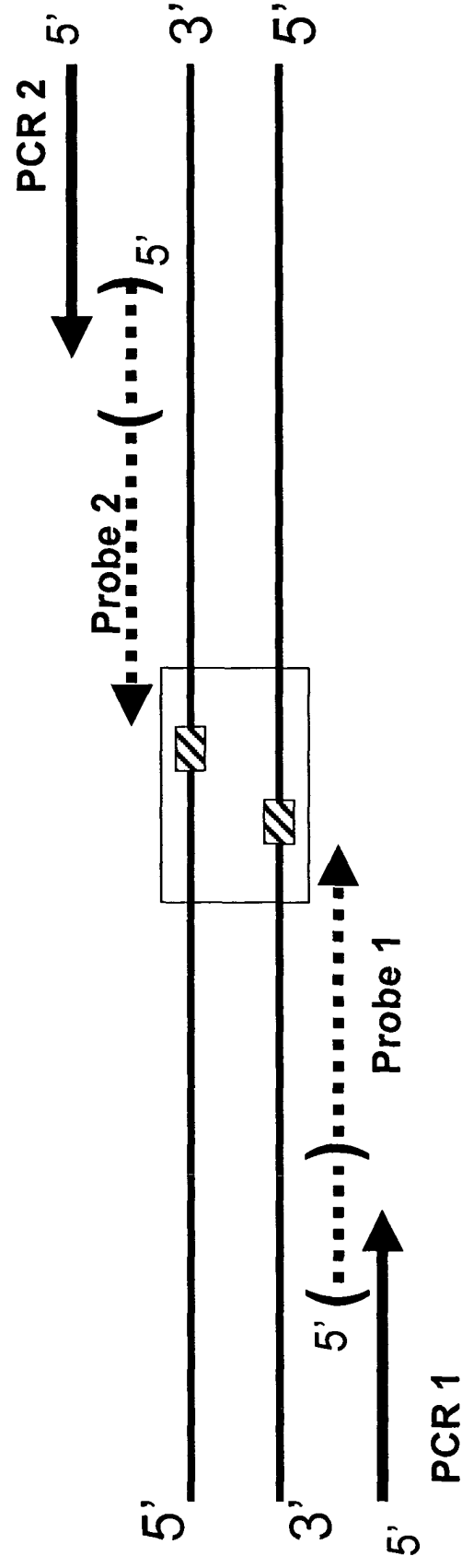


Figure 23



# Figure 24

5' CATCCCTGTAGCGATCACAAACCGATAGCATTTGGTCACTCTGTGAGTCAGCTGACTGGTCCTCGAACCCGCATCAGTG 5' TGAGGTTGCGTCTCAACTCAGTGGCAGG 3'

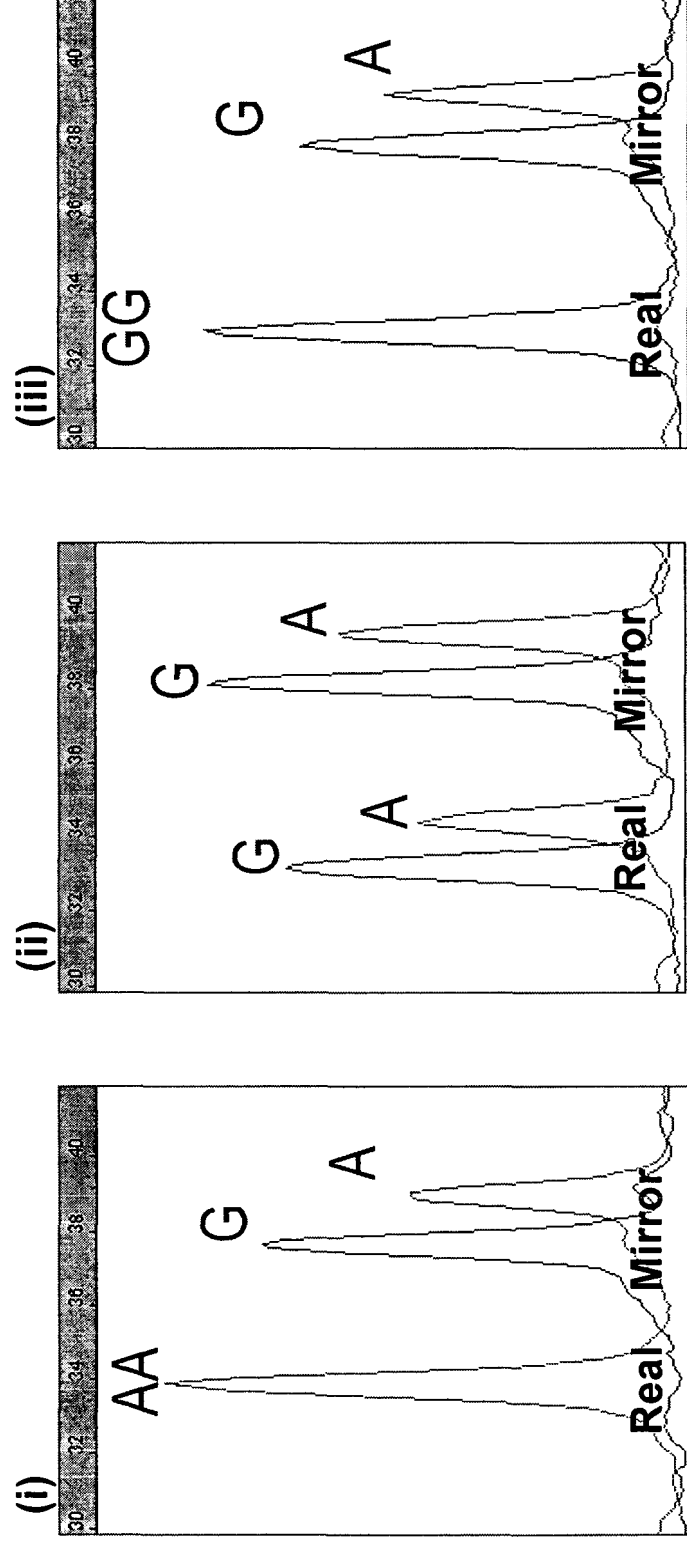
3' GTAGGGACATCGCTAGTGTGGCTATCGTAACCGAGTAGACACTCAGTCGACTGGTCCTCGAACCCGCATCAGTGAGGTGCGTCTCAACTCAGTGGCAGG 5'

5' AACC GATAGCATTTGGTCACTCTGTGAGTCA 5'

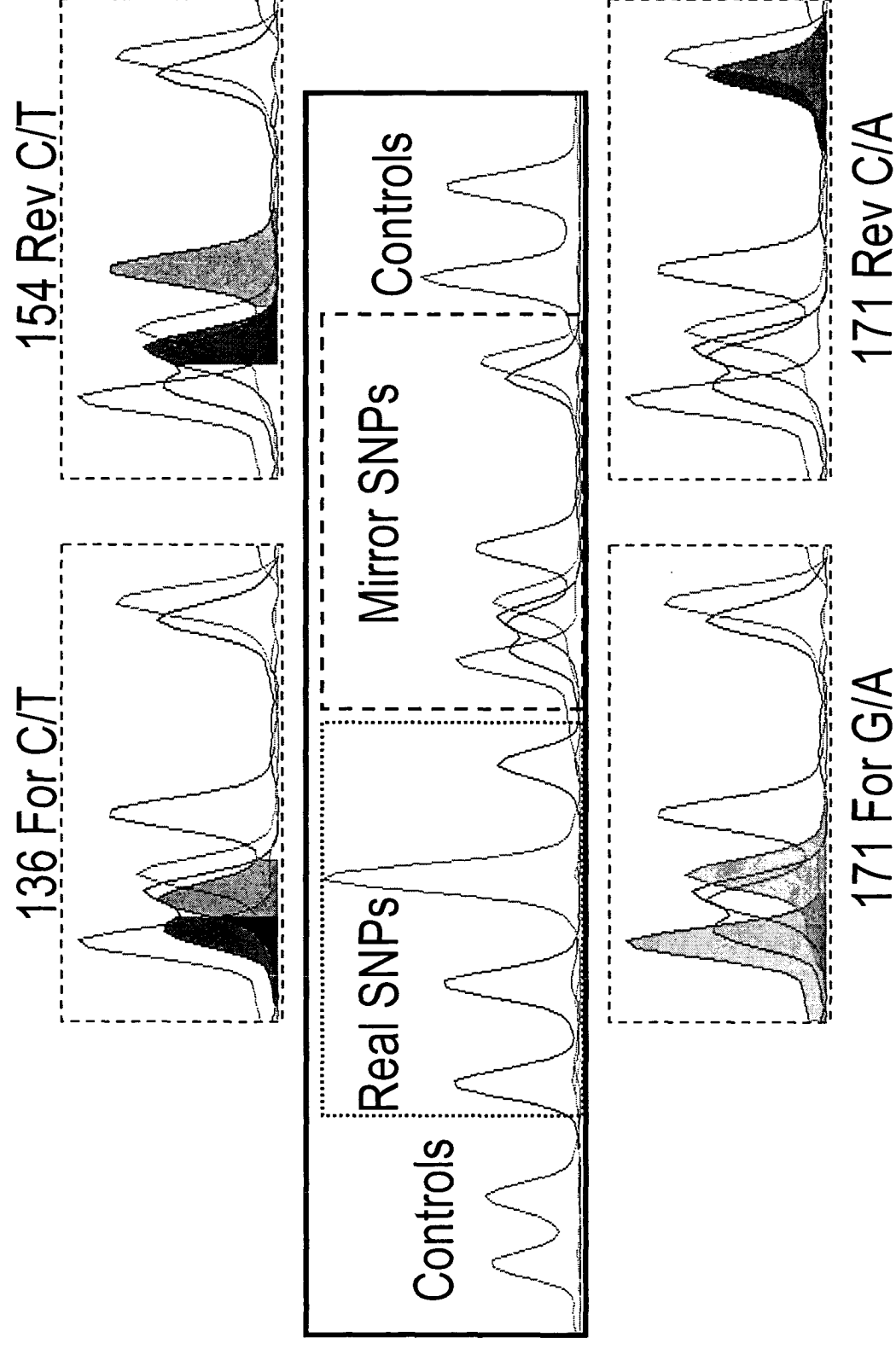
5' CATCCCTGTAGCGATCACAAACCGATAGCAT



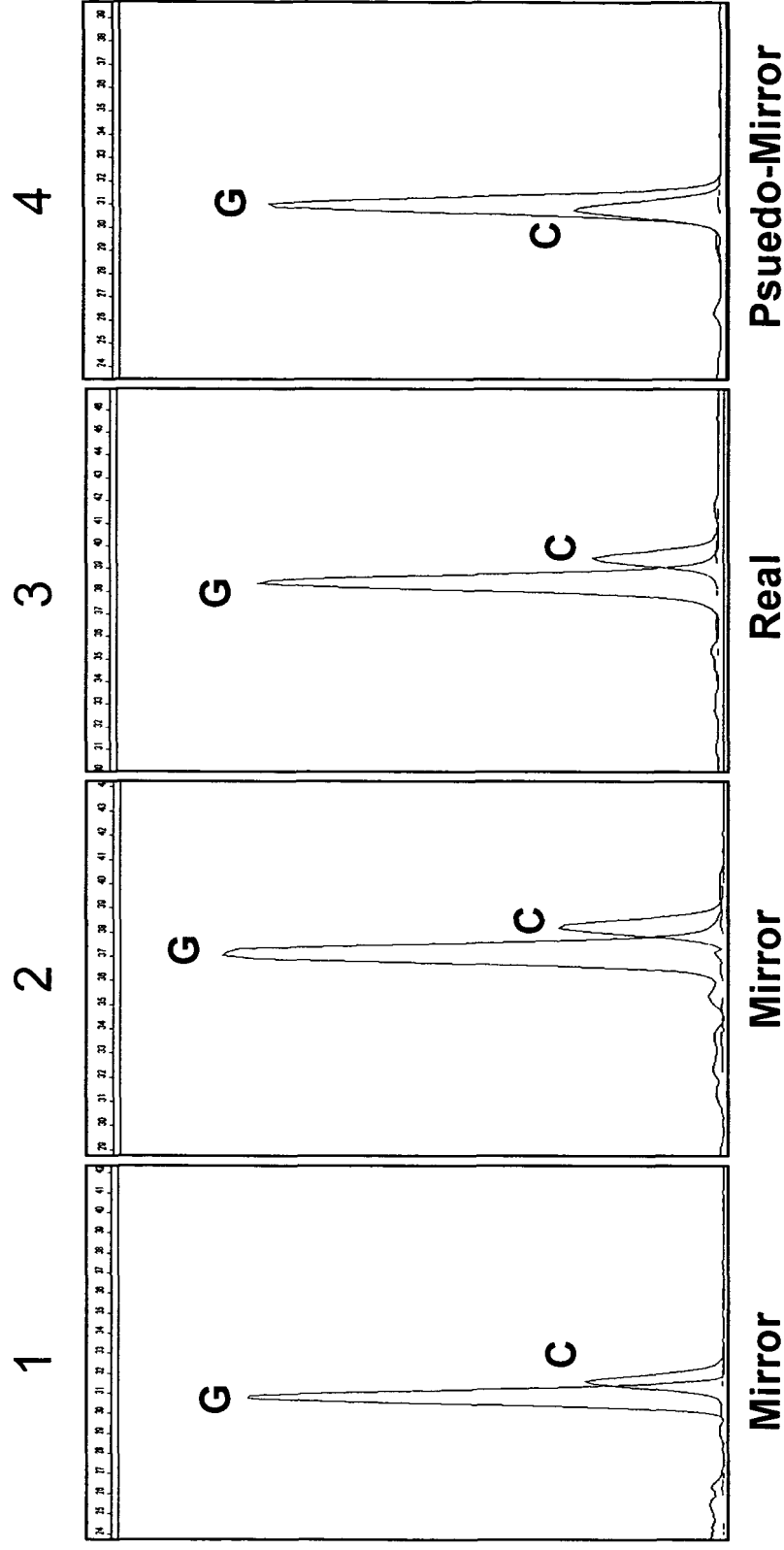
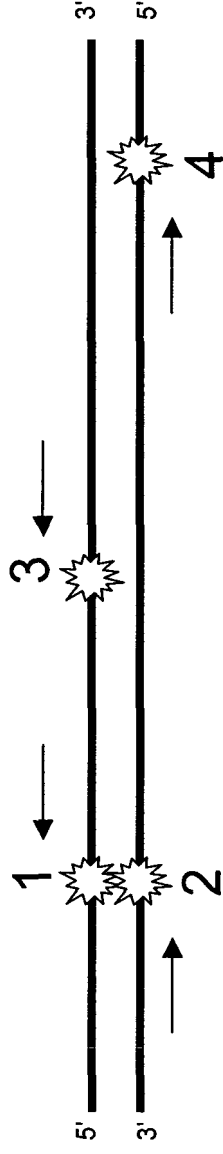
Figure 25



**Figure 26**



# Figure 27



## Figure 28

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gtagccacag tcagtggaac aagcccagta agccaaaaac caacatgaag caaggtg
gagctgctgc agctggagca gtggtagggg gccttggtgg ctacatgctg catgtggcag
tgagcaggcc tcttatacat ttgtggcaatg actatgagga ccgttactat ggaagtgYca
tgtaccgtta cccaaccaa gtgtactaca gaccagtggg tCRKtatagt cRtgaaaaaca
actttgtgca tgactgtgtc aacatcacag tcaagcaaca tcaagtcacc aaccagaaca
agg accaccacca
```

(SEQ. ID NO. 43)

# Figure 29

gtcagcccca tgggtggtggc tggggacagc cacatggtgg tggaggctgg ggt**caagggtg**

**gtagccacag tcagtggaac aag**ccccagta agccaaaaac caacatgaag catgtggcag  
(t, ttt)

gagctgctgc agctggagca gtggtagggg gccttggtgg ctacatgctg ggaagtgcc 136  
t (A)  
(V)

tgagcaggcc tcattatacat ttgggcaatg actatgagga ccgttactat cgtgaaaaa 154  
(ttttt, ttttttt) a (R)  
(H)

tgtaccgtta ccccaaaccaa gtgtactaca gaccagtgga tcggtatagt aaccagaaca 171  
ag (R)  
at (Q)  
(H)

actttgtgca tgactgtgtc aacatcacag tcaag**caaca cacagtcacc accaccacca**

**agggggagaa** cttcaccgaa actgacatca agataatgga gcgagtgggtg gagcaaatgt  
(SEQ. ID NO. 44)